

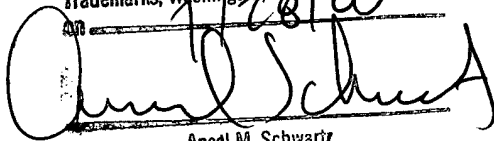
the above-identified patent application. Invention I has Claims 16-31, drawn to methods for automatically analyzing a physical property of a nucleic acid, and systems for performing those methods. Invention II has Claims 31 and 32, drawn to methods of automatically producing genotypes of an organism. Applicant elects Invention I, having Claims 16-31, with traverse.

Applicant requests the Examiner reconsider the restriction requirement, and rescind it. The reason the restriction requirement should be rescinded is that a review of patentability of Claims 16-31 of Invention I would reveal the patentability of Claims 32 and 33 of Invention II without the Examiner having to search any additional classes or subclasses. This can be seen by the fact that, for instance, Claim 16 has the step of "automatically analyzing the subsignal using a computing device to characterize a physical property of a nucleic acid ". Claim 32 has the limitation of "automatically producing a genotype related to the size property of the amplified location of the nucleic acid material". By searching for the patentability of Claim 16 with the limitation of "automatically analyzing . . . a physical property of a nucleic acid", the patentability will also be revealed of the step of "automatically producing eight units have related to the size property of the . . . the nucleic acid". If the Examiner does not agree with the applicant's position, then once the Examiner places the restriction requirement in final status, applicant will cancel Claims 32 and 33.

In view of the foregoing remarks, it is respectfully requested that the outstanding rejections and objections to this application be reconsidered and withdrawn, and Claims 16-33, now in this application be allowed.

**CERTIFICATE OF MAILING**

I hereby certify that the correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, DC 20221

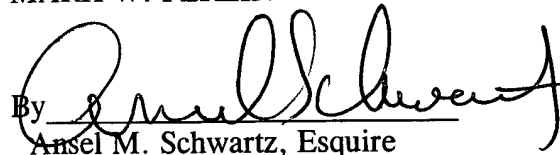


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7/28/00  
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Respectfully submitted,

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